ABSTRACT

The present invention is a system, method and apparatus for self-tuning cache management. In a preferred aspect of the invention, a self-tuning cache can include a primary cache and at least two test caches. A first one of the test caches can have a cache size which is smaller than a size of the primary cache. A second one of the test caches can have a cache size which is greater than the size of the primary cache. A cache engine can be programmed to manage the primary cache and the test caches. Importantly, a cache tuner can be coupled to the primary and test caches. The cache tuner can include a configuration for resizing the primary cache when one of the at least two test caches demonstrates cache performance which justifies resizing the primary cache.